

#7  
BP  
4-16-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kaji et al.  
Serial No.: 09/980,954  
Conf. No.: 3440  
Int'l Application No.: PCT/JP00/03639  
Int'l Filing Date: 5 June 2000 (05.06.00)  
Earliest Priority Date: 4 June 1999 (04.06.99)  
For: CRYSTAL OF RIBOSOMAL RECYCLING FACTOR (RRF) PROTEIN AND  
APPLICATION THEREOF ON THE BASIS OF THREE-DIMENSIONAL  
STRUCTURAL DATA OBTAINED FROM THE CRYSTAL  
Examiner: Unknown  
Art Unit: Unknown

---

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Box PCT, Commissioner for Patents, Washington, D.C. 20231, on the 6th day of March, 2002.

  
Monica E. Zorabari

---

Box PCT  
Commissioner for Patents  
Washington, D.C. 20231

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

[X] This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

**PART II - Information Cited**

A. [X] The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

B. [ ] The Applicant hereby makes the following additional information of record in the above-identified application:

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

The following are remarks concerning the other information cited:

PART IV: Remarks

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;

3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

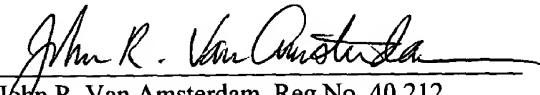
By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:   
John R. Van Amsterdam, Reg No. 40,212  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210  
Telephone (617) 720-3500

Docket No. K0448/7012

Dated: March 6, 2002

xNDD

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/980,954		ATTY. DOCKET NO.: K0448/7012	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				FILING DATE: June 5, 2000 (Int'l)			
				APPLICANT: Kaji and Liljas			
				GROUP ART UNIT: Unknown		EXAMINER: Unknown	
Sheet	1	of	3				

#### U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	B1	WO	98/37202	A1	Kaji, Akira	08-27-1998	N
	B2	JP	2000-096696		Kaji, Akira	03-28-2000	Y, abstract
	B3	JP	2000-157275		Nakamura Giichi RRF Kenkyusho:KK	06-13-2000	Y, abstract
	B4	JP	03200797	A	Kaji, Akira	09-02-1991	Y, abstract
	B5	JP	11299490	A	Kaji, Akira	11-02-1999	Y, abstract
	B6	JP	11332577	A	Kaji, Akira	12-07-1999	Y, abstract

#### OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1	NELSON et al., <i>Nature</i> 399: 323-329 (1999)	
	C2	KANAI et al., <i>Eur J Biochem</i> 256: 212-220 (1998)	
	C3	SELMER et al., <i>Science</i> 286: 2349-2352 (1999)	
	C4	SELMER et al., <i>Acta Cryst. D</i> 55: 2049-2050 (1999)	
	C5	YUN et al., <i>Acta Cryst. D</i> 56: 84-85 (2000)	
	C6	KASHIMORI et al., <i>J Biomol NMR</i> 15: 341-342 (1999)	
	C7	JANOSI et al., <i>Adv Biophys</i> 32: 121-201 (1996)	
	C8	KAJI et al., <i>Biochem, Biophys. Res Commun.</i> 44(7): 831-844 (1999)	
	C9	KOZAK et al., <i>Mol. and Cell. Biol.</i> , 7: 3438-3445 (1987)	
	C10	DAS and YANOFISKY, <i>Nucleic Acids Res.</i> 12(11): 4757-4768 (1984)	
	C11	SCHNORER et al., <i>Proc. Natl. Acad. Sci. USA</i> 83: 8506-8510 (1986)	
	C12	SPRENGEL et al., <i>Nucleic Acids Res.</i> 13(3): 893-909 (1985)	
	C13	NOREN et al., <i>Science</i> 244: 182-188 (1989)	
	C14	VAN DUYNNE et al., <i>J Mol Biol</i> 229: 105-124 (1993)	
	C15	TRAVIS, J., <i>Science</i> 262: 1374 (1993)	
	C16	MENG et al., <i>J Comp Chem</i> 13(4): 505-524 (1992)	
	C17	HIRASHIMA and KAJI, <i>Biochem</i> 11(22): 4037-4044 (1972)	

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/980,954		ATTY. DOCKET NO.: K0448/7012	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				FILING DATE: June 5, 2000 (Int'l)			
				APPLICANT: Kaji and Liljas			
				GROUP ART UNIT: Unknown		EXAMINER: Unknown	
Sheet	2	of	3				

#### U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

#### OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C18	GOODFORD, P.J., <i>J. Med. Chem.</i> 28: 849-857 (1985)	
	C19	MIRANKER and KARPLUS, <i>Proteins: Structure, Function, and Genetics</i> 11: 29-34 (1991)	
	C20	GOODSELL and OLSON, <i>Proteins: Structure, Function, and Genetics</i> 8: 195-202 (1990)	
	C21	KUNTZ et al., <i>J. Mol. Biol.</i> 161: 269-288 (1982)	
	C22	MARTIN, Y., <i>J Med Chem</i> 35(12): 2146-2154 (1992)	
	C23	BÖHM, H., <i>J Comp-Aided Mol. Design</i> 6: 61-78 (1992)	
	C24	NISHIBATA and ITAI, <i>Tetrahedron</i> 47(43): 8985-8990 (1991)	
	C25	COHEN et al., <i>J Med Chem</i> 33(3): 883-894 (1990)	
	C26	NAVIA and MURCKO, <i>Curr Op in Struct Biol</i> 2: 202-210 (1992)	
	C27	WELLNER and HAYES, <i>Annals of NY Acad Sci</i> 209: 34-43 (1973)	
	C28	KABSCH, W., <i>J Appl Cryst</i> 26: 795-800 (1993)	
	C29	LESLIE, A., from <i>Cryst. Comp. 5: Chem to Biol: Papers presented at Int'l School on Cryst. Comp. at Bischofsberg, France, 50-61 (1990)</i>	
	C30	SHELDRIK, G., <i>Acta Cryst</i> A46: 467-473 (1990)	
	C31	JONES et al., <i>Acta Cryst</i> A47: 110-119 (1990)	
	C32	JANOSI et al., <i>EMBO J.</i> 17(4): 1141-1151 (1998)	
	C33	SELMER et al., <i>Science</i> 286: 2349-2352 (1999)	
	C34	MOAZED and NOLLER, <i>Nature</i> 327: 389-394 (1987)	
	C35	FOURMY et al., <i>J. Mol. Biol.</i> 277: 333-345 (1998)	

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/980,954		ATTY. DOCKET NO.: K0448/7012	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				FILING DATE: June 5, 2000 (Int'l)			
				APPLICANT: Kaji and Liljas			
				GROUP ART UNIT: Unknown		EXAMINER: Unknown	
Sheet	3	of	3				

#### U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

#### OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C36	YOSHIZAWA et al., <i>EMBO J.</i> 17(22): 6437-6448 (1998)	
	C37	HIRASHIMA and KAJI, <i>J Mol Biol</i> 65: 43-58 (1972)	
	C38	KAZIRO et al., <i>J. Biochem.</i> 72: 853-863 (1972)	
	C39	MOMOSE and KAJI, <i>Arch Biochem and Biophys</i> 111: 245-252 (1965)	
	C40	HIRASHIMA and KAJI, <i>J Biol Chem</i> 248(21): 7580-7587 (1973)	
	C41	REMME et al., <i>Eur J Biochem</i> 183: 281-284 (1989)	
	C42	STARK et al., <i>Cell</i> 88: 19-28 (1997)	
	C43	PESTKA, S., <i>Biochem and Biophys Res Comm</i> 40(3): 667-674 (1970)	
	C44	RODNINA et al., <i>Nature</i> 385: 37-41 (1997)	
	C45	RODNINA et al., <i>Proc Natl Acad Sci USA</i> 96: 9586-9590 (1999)	
	C46	INOUE-YOKOSAWA et al., <i>J Biol Chem</i> 249(13): 4321-1323 (1974)	
	C47	BODLEY et al., <i>J Biol Chem</i> 245(21): 5656-5661 (1970)	
	C48	KURIKI et al., <i>Biochim et Biophys Acta</i> 224: 487-497 (1970)	
	C49	IGARASHI et al., <i>Biochem and Biophys Res Comm</i> 37(3): 499-504 (1969)	
	C50	OGAWA and KAJI, <i>Eur. J. Biochem.</i> 58: 411-419 (1975)	
	C51	KARIMI et al., <i>Mol Cell</i> 3: 601-609 (1999)	
	C52	BARTLETT et al., <i>Royal Chem. Soc.</i> 78: 182-196 (1989)	

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.